

SGB100H Series

Miniature Circuit Breaker

Technical data

Standard	Confirming to EN / IEC60947-2
Breaking capacity	10kA
Protection	Against overload and short circuit
Rated current In	32, 40, 50, 63,80,100,125A
Rated voltage	1pole 230 AC 50/60Hz 2,3,4pole 400V AC 50/60Hz
Characteristic	thermal operating limit: (1.13-1.45)xIn magnetic operating: C: (5-10)xIn D: (10-20)xIn
Number of poles	1P, 2P, 3P, 4P
Type of trip	Thermal / magnetic release
Type of terminal	Pin type
Terminal capacity	flexible cables: 1.5 to 35mm ² rigid cables: 1 to 50mm ²
Installation	Mounting on 35mm DIN rail
Width	27mm per pole



SGB100H MCB

Rated current (A)

B curve

C curve

D curve

Packing unit



1P

32	SGB100H/1-B32	SGB100H/1-C32	SGB100H/1-D32	12
40	SGB100H/1-B40	SGB100H/1-C40	SGB100H/1-D40	12
50	SGB100H/1-B50	SGB100H/1-C50	SGB100H/1-D50	12
63	SGB100H/1-B63	SGB100H/1-C63	SGB100H/1-D63	12
80	SGB100H/1-B80	SGB100H/1-C80	SGB100H/1-D80	12
100	SGB100H/1-B100	SGB100H/1-C100	SGB100H/1-D100	12
125	SGB100H/1-B125	SGB100H/1-C125	SGB100H/1-D125	12



2P

32	SGB100H/2-B32	SGB100H/2-C32	SGB100H/2-D32	6
40	SGB100H/2-B40	SGB100H/2-C40	SGB100H/2-D40	6
50	SGB100H/2-B50	SGB100H/2-C50	SGB100H/2-D50	6
63	SGB100H/2-B63	SGB100H/2-C63	SGB100H/2-D63	6
80	SGB100H/2-B80	SGB100H/2-C80	SGB100H/2-D80	6
100	SGB100H/2-B100	SGB100H/2-C100	SGB100H/2-D100	6
125	SGB100H/2-B125	SGB100H/2-C125	SGB100H/2-D125	6



3P

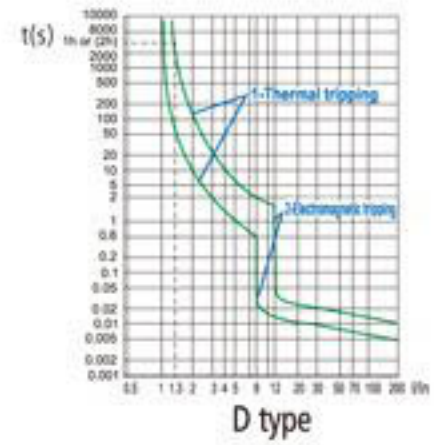
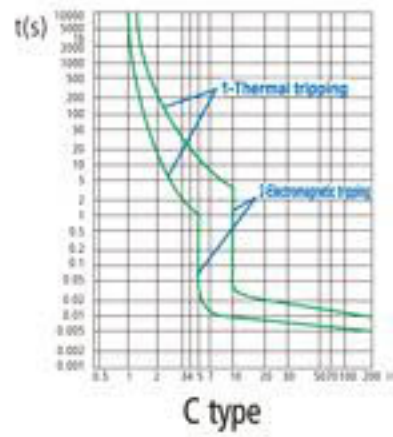
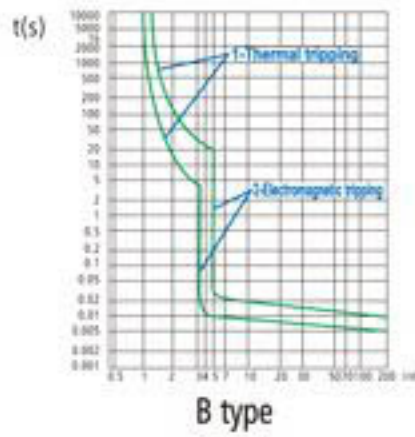
32	SGB100H/3-B32	SGB100H/3-C32	SGB100H/3-D32	4
40	SGB100H/3-B40	SGB100H/3-C40	SGB100H/3-D40	4
50	SGB100H/3-B50	SGB100H/3-C50	SGB100H/3-D50	4
63	SGB100H/3-B63	SGB100H/3-C63	SGB100H/3-D63	4
80	SGB100H/3-B80	SGB100H/3-C80	SGB100H/3-D80	4
100	SGB100H/3-B100	SGB100H/3-C100	SGB100H/3-D100	4
125	SGB100H/3-B125	SGB100H/3-C125	SGB100H/3-D125	4



4P

32	SGB100H/4-B32	SGB100H/4-C32	SGB100H/4-D32	3
40	SGB100H/4-B40	SGB100H/4-C40	SGB100H/4-D40	3
50	SGB100H/4-B50	SGB100H/4-C50	SGB100H/4-D50	3
63	SGB100H/4-B63	SGB100H/4-C63	SGB100H/4-D63	3
80	SGB100H/4-B80	SGB100H/4-C80	SGB100H/4-D80	3
100	SGB100H/4-B100	SGB100H/4-C100	SGB100H/4-D100	3
125	SGB100H/4-B125	SGB100H/4-C125	SGB100H/4-D125	3

1. Curves



2. Breaking capacity

Type	Voltage	Breaking capacity I _{cn} (A)	Standard
1P	130	20000	IEC60947-2
	230	10000	
	400	3000	
2P,3P,4P	230	20000	
	400	10000	
	440	6000	

3. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current I _n (A)	Nominal cross section area(mm ²)	Tightening torque(N·m)
63	16	3.5
80	25	3.5
100	35	3.5
125	50	3.5

4. Features

- 1.High rated short-circuit breaking capacity up to 10000A on EN / IEC60947-2 standard.
- 2.Service life of product has been greatly enhanced through specially designed tripping mechanism.
- 3.Long-time and reliable operation.
- 4.Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties.
- 5.Compact and modularized design.
- 6.Convenient mounting.

5. Overall and mounting dimensions

